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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
Thomas M. English et al.

Appl. No. 09/873,439

Filed: June 4, 2001

For: WIRELESS LOCAL AREA NETWORK  
USING IMPULSE RADIO  
TECHNOLOGY TO IMPROVE  
COMMUNICATIONS BETWEEN  
MOBILE NODES AND ACCESS  
POINTS

Art Unit: 2683

Examiner: Joseph D. Nguyen

Atty. Docket No.: 28549-205159

Confirmation No.: 4307

Customer No:



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JUL 1 6 2004

Technology Center 2600

**Amendment and Reply**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The Applicant acknowledges the receipt of a First Office Action dated February 4, 2004 ("First Office Action"). The Applicant in response files this Amendment and Response to First Office Action. This Amendment and Response to First Office Action cancels claims 23, 34, and 46, amends claims 15, 16, 20, 29, 31, 42, 51, and 52, and adds claims 53-58.

- **Request for Extension of Time and/or Charge of Fees** begins on page 2 of this paper.
- **Amendments to the Specification** begin on page 3 of this paper.
- **Amendments to the Claims** are reflected in the listing of claims which begins on page 4 of this paper.
- **Remarks/Arguments** begin on page 14 of this paper.

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Applicants: English et al.  
Application No. 09/873,439

**REQUEST FOR EXTENSION OF TIME AND/OR CHARGE OF FEES:**

It is believed that a two-month extension of time is required in this filing. A check in the amount of 420.00 is attached, however. should additional extensions of time or fees be necessary to prevent abandonment of this application, then such extensions of time are hereby petitioned under 37 CFR §1.136(a), and any fees required are hereby authorized to be charged to our Deposit Account No. 22-0261. In the event of such charges, please advise us accordingly.